2555-1-001 (Sheet 1 of 7)

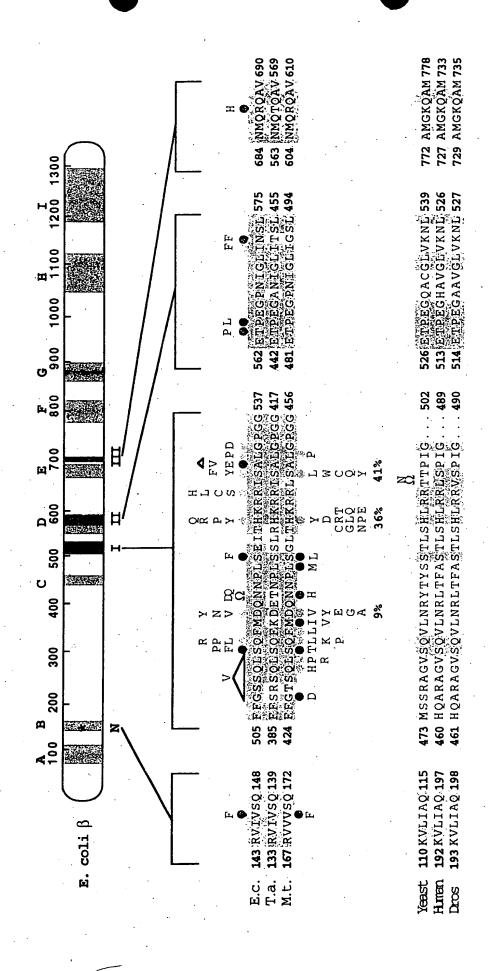


Figure ]

## 2555-1-001 (Sheet 2 of 7)

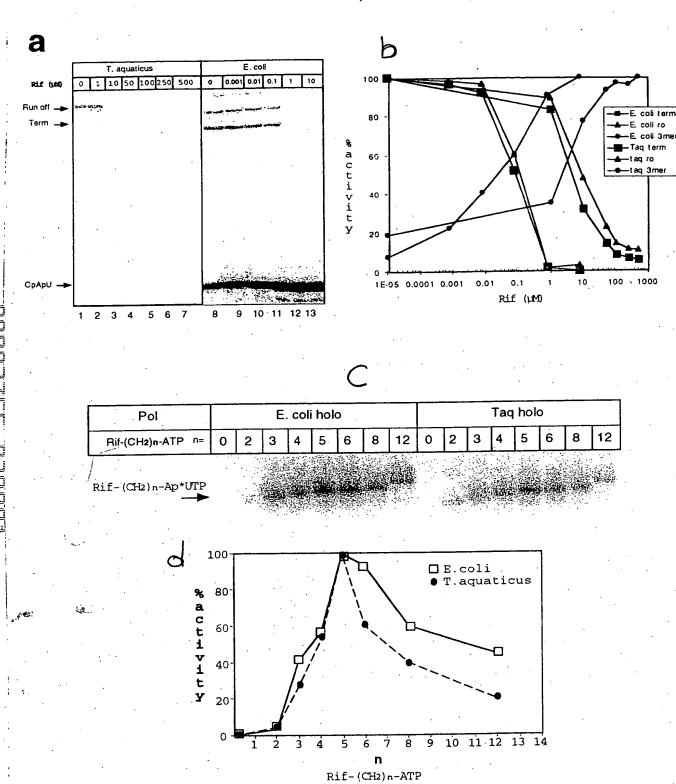


Figure 2

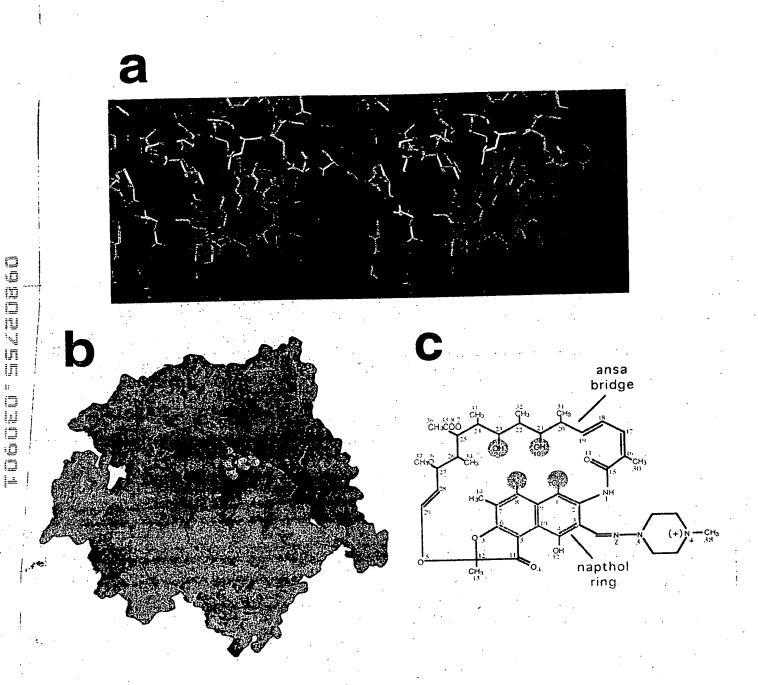


Figure 3

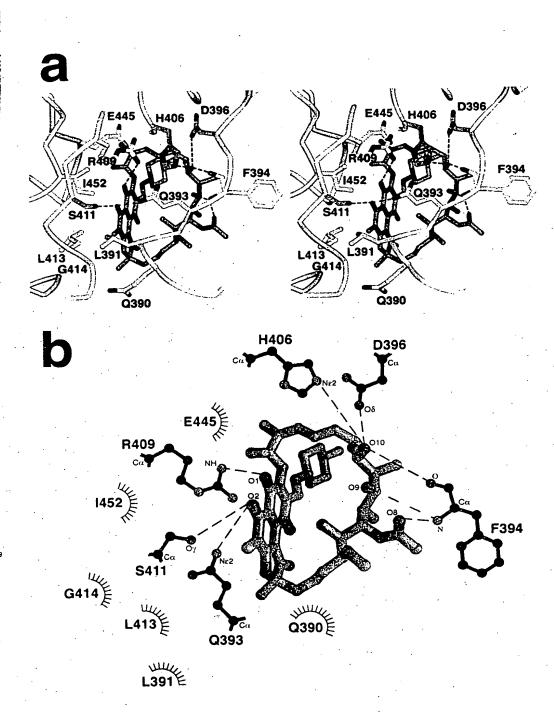


Figure 4

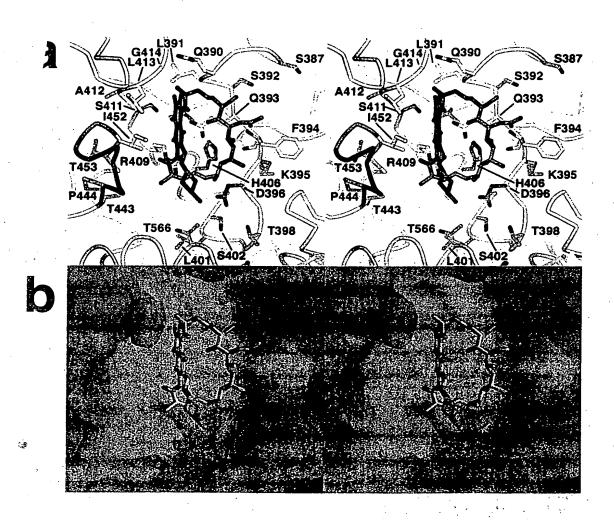
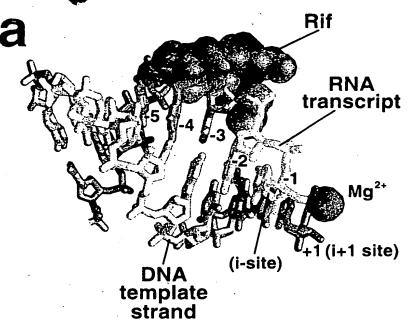


Figure 5



b

## Minimal scaffold

76543

RNA <sup>5</sup>ÁAAUCGC<sup>3</sup>

ATTTÄGĊĞĞCTĞTTAAAĞT<sup>5</sup> **T** DNA

ACAATTTCA<sub>3</sub> NT

	E.coli Pol															
		+	Rif			Scaffold RNA=X nt +Rif					Scaffold RNA=X nt —Rif					
٠			atto A=3	ld { nt												
Х=	3	4	5	6	7	3	4	5	6	7	3	4	5	6	7	
:	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	

	Teq Pol															
	+Rif							A=	old Knt		Scaffold RNA=X nt					
	Scaffold RNA=X nt							+Rif			—Rif					
X=	3	4	5	6	7	3	4	5	6	7	3	4	5	6	7	
,																
	16	1	2 4 (	2 1 0	20	21	22	23	24	25	26	27	28	29	30	

Figure 6

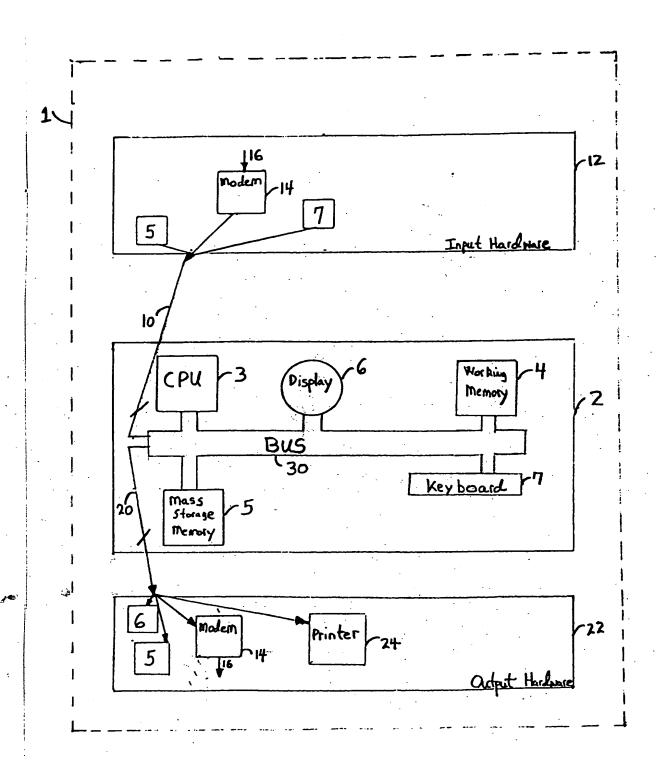


Figure 7